

ABSTRACT

A lithium-ion-conducting sulfide-based crystallized glass including: lithium (Li), phosphorus (P), and sulfur (S) elements, wherein the glass has diffraction peaks at $2\theta = 17.8 \pm 0.3$ deg, 18.2 ± 0.3 deg, 19.8 ± 0.3 deg, 21.8 ± 0.3 deg, 23.8 ± 0.3 deg, 25.9 ± 0.3 deg, 29.5 ± 0.3 deg and 30.0 ± 0.3 deg in X-ray diffraction (CuK α : $\lambda = 1.5418$ Å).